

Abstract

Methods for preparing yeast with improved biotin productivity using integrating plasmids encoding biotin synthase. The yeast is transformed by an integrating plasmid, which includes a *Candida utilis* biotin synthase gene BIO2, an assistant DNA sequence to promote integration of the plasmid into the *C. utilis* genome, a promoter sequence, and a selection marker. Other embodiments include *Saccharomyces cerevisiae* integrating plasmids.